



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/686,490
Source: 1 Fwd
Date Processed by STIC: 10/29/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/686,490

DATE: 10/29/2003

TIME: 09:56:06

Input Set : A:\35991.ST25-US.txt

Output Set: N:\CRF4\10292003\J686490.raw

3 <110> APPLICANT: Bayer Aktiengesellschaft
W--> 4 <120> TITLE OF INVENTION: Anti-Kazlauskas-Lipases
W--> 5 <130> FILE REFERENCE: LeA 35 991
C--> 6 <140> CURRENT APPLICATION NUMBER: US/10/686,490
C--> 6 <141> CURRENT FILING DATE: 2003-10-15
W--> 6 <160> NUMBER OF SEQ ID: 2

7 <170> SOFTWARE: PatentIn version 3.1

9 <210> SEQ ID NO: 1

10 <211> LENGTH: 885

11 <212> TYPE: DNA

12 <213> ORGANISM: artificial

W--> 13 <220> FEATURE:

14 <221> NAME/KEY: CDS

15 <222> LOCATION: (1)..(885)

16 <223> OTHER INFORMATION:

W--> 18 <400> 1

19 atg gca cag gtg aag gcc aac ggc att acc ctc gag tat gaa gag cag 48
20 Met Ala Gln Val Lys Ala Asn Gly Ile Thr Leu Glu Tyr Glu Glu Gln
21 1 5 10 15
23 ggc cat cgc cac cat ccg tcc atg ctc ctc att atg ggc ctg ggc ggc 96
24 Gly His Arg His His Pro Ser Met Leu Leu Ile Met Gly Leu Gly Gly
25 20 25 30
27 cag tta atc gac tgg ccc gag gag ttc atc cgg ggg ctg gct gaa cga 144
28 Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg
29 35 40 45
31 ggc ttc cgg gta atc tgt ttc gac aac cgc gac gcg ggg ctt tcg acg 192
32 Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr
33 50 55 60
35 aaa ctt gaa ggc gtg aaa aaa ccg aac att gcc cgg gta ttt ctc ctg 240
36 Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu
37 65 70 75 80
39 gcg agc atg ggc cta aag ccc agg gtg cct tac acc ctc gac gac atg 288
40 Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met
41 85 90 95
43 gcc ctg gac acc gtg ggg ctg atg gat gcc ctg ggc att gag agc acc 336
44 Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr
45 100 105 110
47 cac gta gtt ggc gtc tcc atg ggc ggc atg att gcg cag att cta ggg 384
48 His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly
49 115 120 125
51 gcg aag cac ggg gag cgg gtg aaa tcc ctt acc ctg atg att acc tcc 432
52 Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser
53 130 135 140

pp 1-2,4

Explain this. See P.4 for error explanation

Does Not Comply
Compliance Note Needed

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```

55 tcc ggc aac ccc cgc atg ccg gcg ccc agg ccg cag gtg ctg caa aag      480
56 Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys
57 145      150      155      160
59 ttt atg cgg gtg ccc aag agc atg gat aag gaa gag tgg att aaa tac      528
60 Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr
61      165      170      175
63 aac ttg gag ctt tta acc acc atc ggc agc ccc ggg ttg gac cgg gag      576
64 Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu
65      180      185      190
67 aag ctg gcc tta gac gtg agg aag agc ata gag cgg tgc ctt tgc ccc      624
68 Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro
69      195      200      205
71 gaa ggc acg cag cgg cag ctg gca gcc atc ctg cag agc ggc agc agg      672
72 Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg
73      210      215      220
75 gtg aag ctg ctc cgg cgg atc gct gtc ccc acc ctg gtc atc agc ggg      720
76 Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly
77 225      230      235      240
79 gcg gaa gat ccc ctc ctg ccg tac cag tgc ggc cgg gac att gcc gac      768
80 Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp
81      245      250      255
83 cat atc ccg gga gcc cgc ttc gag ctc atc gag ggc atg ggg cac gac      816
84 His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp
85      260      265      270
87 att ccc gag cgg cac atc ccc cgg ctg att gag ctc atc gcc ggg cac      864
88 Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His
89      275      280      285
91 gcc gcg gcc gcg gaa gct taa      885
92 Ala Ala Ala Ala Glu Ala
93      290

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96 <210> SEQ ID NO: 2

97 <211> LENGTH: 294

98 <212> TYPE: PRT

99 <213> ORGANISM: artificial

W--> 102 <220> FEATURE:

W--> 102 <223> OTHER INFORMATION:

W--> 102 <400> 2

```

104 Met Ala Gln Val Lys Ala Asn Gly Ile Thr Leu Glu Tyr Glu Glu Gln
105 1      5      10      15
108 Gly His Arg His His Pro Ser Met Leu Leu Ile Met Gly Leu Gly Gly
109      20      25      30
112 Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg
113      35      40      45
116 Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr
117      50      55      60
120 Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu
121 65      70      75      80
124 Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met
125      85      90      95

```

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```

128 Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr
129           100           105           110
132 His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly
133           115           120           125
136 Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser
137           130           135           140
140 Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys
141 145           150           155           160
144 Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr
145           165           170           175
148 Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu
149           180           185           190
152 Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro
153           195           200           205
156 Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg
157           210           215           220
160 Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly
161 225           230           235           240
164 Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp
165           245           250           255
168 His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp
169           260           265           270
172 Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His
173           275           280           285
176 Ala Ala Ala Ala Glu Ala
177           290

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/686,490

DATE: 10/29/2003
TIME: 09:56:07

Input Set : A:\35991.ST25-US.txt
Output Set: N:\CRF4\10292003\J686490.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

Use of <220> Feature (NEW RULES): *MR Explanation*
Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:2,1

VERIFICATION SUMMARYPATENT APPLICATION: **US/10/686,490**

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Input Set : **A:\35991.ST25-US.txt**Output Set: **N:\CRF4\10292003\J686490.raw**

L:4 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:270 C: Current Application Number differs, Replaced Current Application No
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:6 M:283 W: Missing Blank Line separator, <160> field identifier
L:13 M:283 W: Missing Blank Line separator, <220> field identifier
L:18 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:16
L:102 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:artificial
L:102 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:artificial
L:102 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:102